

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Previously Presented) A fiber-reinforced flexible composite membrane, the membrane comprising:

two compositionally distinct opposing faces;

a reinforcement consisting of glass fibers;

a perfluoropolymer material coating on each side of the reinforcement, the perfluoropolymer in a balanced state having mechanical forces within the perfluoropolymer equal on each side of the reinforcement to prevent the membrane from curling; and

an elastomer disposed over the perfluoropolymer material on one side of the reinforcement.

2. (Original) A fiber-reinforced flexible composite membrane according to claim 1, wherein the elastomer comprises a silicone rubber.

2 ~~2~~ (Previously presented) A fiber-reinforced flexible composite membrane according to claim 1, wherein the perfluoropolymer comprises PTFE.

4. (Previously presented) A fiber-reinforced flexible composite membrane according to claim 1, wherein the perfluoropolymer comprises PTFE and the elastomer comprises silicone rubber.

5. (Canceled).

3 ~~3~~ (Previously presented) A fiber-reinforced flexible composite membrane according to claim 1, wherein the perfluoropolymer material is applied in equal amounts to each face of the reinforcement.

4 ~~4~~ (Original) A fiber-reinforced flexible composite membrane according to claim ~~2~~<sup>1</sup>, wherein the silicone rubber is derived from an addition-cure, 100 percent solids, liquid silicone rubber composition.

- 5 ~~8~~ (Original) A fiber-reinforced flexible composite membrane according to claim <sup>4</sup>~~7~~, wherein the liquid silicone rubber comprises one or more pigments.
- 6 ~~9~~ (Previously presented) A fiber-reinforced flexible composite membrane according to claim 7, wherein the liquid silicone rubber comprises an organic peroxide catalyst.
- 7 ~~10~~ (Withdrawn) A method for producing the fiber-reinforced flexible composite membrane of claim 1, comprising:
- a) coating a woven reinforcement able to tolerate perfluoropolymer processing temperatures with the perfluoropolymer and fusing the perfluoropolymer to a woven reinforcement to obtain a balanced perfluoropolymer/woven reinforcement composite;
  - b) rendering one face of the perfluoropolymer/woven reinforcement composite bondable to an elastomer;
  - c) coating the bondable face of the perfluoropolymer/woven reinforcement composite with a low viscosity, platinum, catalyzed, addition cure, solventless liquid silicone rubber elastomer; and
  - d) curing the liquid silicone rubber into a solid rubber.
- 8 ~~11~~ (Withdrawn) The method of claim <sup>7</sup>~~10~~, wherein the liquid silicone rubber comprises two components, one component containing a catalyst and the other component containing a crosslinking agent and an inhibitor.
- 9 ~~12~~ (Withdrawn) The method of claim <sup>8</sup>~~11~~, wherein the two components comprise vinyl-terminated polydimethylsiloxane.
- 10 ~~13~~ (Withdrawn) The method of claim <sup>9</sup>~~12~~, wherein the two components further comprise fumed silica.
- 11 ~~14~~ (Withdrawn) The method of claim <sup>8</sup>~~11~~, wherein the two components are mixed in a ratio of 1:1.
- 12 ~~15~~ (Withdrawn) The method of claim <sup>8</sup>~~11~~, wherein the two components are mixed in a ratio of 10:1.

- 13 ~~18~~ <sup>8</sup> (Withdrawn) The method of claim ~~11~~ <sup>8</sup>, wherein the perfluoropolymer is applied in equal amounts to both faces of the woven reinforcement.
- 16 ~~17~~ <sup>7</sup> (Withdrawn) The method of claim ~~10~~ <sup>7</sup>, wherein the woven reinforcement is fiberglass or aramid.
- 14 ~~18~~ <sup>8</sup> (Withdrawn) The method of claim ~~11~~ <sup>8</sup>, wherein one face of the perfluoropolymer/woven reinforcement composite is rendered bondable by coating said one face with a mixture of a colloidal silica dispersion and a perfluorinated copolymer resin dispersion.
- 15 ~~19~~ <sup>8</sup> (Withdrawn) The method of claim ~~11~~ <sup>8</sup>, wherein one face of the perfluoropolymer/woven reinforcement composite is rendered bondable by treatment with a solution of sodium, naphthalene and glycol ether.
- 17 ~~20~~ (Currently amended) A belt comprising a fiber-reinforced flexible composite according to any one of claims 1-9 1-4 and 6-9.
- 18 ~~21~~ (Withdrawn-Currently Amended) A machine driven belt comprising a non-curling reinforced membrane belt comprising:
- two compositionally distinct opposing faces;
  - a glass fiber reinforced fabric layer having two compositionally distinct opposed faces;
  - a PTFE coating applied to the fabric layer on both faces, the coating in a balanced state having mechanical forces within the PTFE equal on each side of the reinforcement to prevent said belt from curling; and
  - a layer of silicone rubber applied to one of said opposed faces previously coated with PTFE.
- 19 ~~22~~ (Previously Presented) A belt comprising:
- two compositionally distinct opposing faces;
  - a first layer of perfluoropolymer material and a second layer of perfluoropolymer material;

a fibrous reinforcement intermediate the first and second layers of perfluoropolymer material; and

an elastomer disposed over one of the first and second layers of perfluoropolymer material;

wherein the first and second layers of perfluoropolymer material have a thickness sufficient to inhibit the belt from curling.

20 23. (Previously Presented) A fiber-reinforced flexible composite membrane having two compositionally distinct opposing faces, the membrane comprising:

a fibrous reinforcement;

a perfluoropolymer material coating on each side of the reinforcement, the perfluoropolymer in a balanced state having mechanical forces within the perfluoropolymer equal on each side of the reinforcement to prevent the membrane from curling; and

an exposed elastomer disposed over the perfluoropolymer material on one side of the reinforcement having a thickness of 2 to 50 mils.

21 24. (Previously Presented) A fiber-reinforced flexible composite membrane having two compositionally distinct opposing faces, the membrane comprising:

a fibrous reinforcement;

a perfluoropolymer material coating on each side of the reinforcement, the perfluoropolymer in a balanced state having mechanical forces within the perfluoropolymer equal on each side of the reinforcement to prevent the membrane from curling; and

an elastomer disposed over the perfluoropolymer material on one side of the reinforcement wherein the weight ratio of the reinforcement to the perfluoropolymer coating is 50:50.

22 25. (Withdrawn) An apparatus for moving objects comprising:

a machine; and

a belt capable of being driven by the machine;

wherein the belt comprises:

a first layer of perfluoropolymer material and a second layer of perfluoropolymer material;

a fibrous reinforcement intermediate the first and second layers of perfluoropolymer material; and

an elastomer disposed over one of the first and second layers of perfluoropolymer material and having a thickness of 2 to 50 mils;

wherein the first and second layers of perfluoropolymer material have a thickness sufficient to inhibit the belt from curling.

26. (Withdrawn) An apparatus according to claim 25, wherein the elastomer comprises a silicone rubber.

<sup>23</sup>  
~~27.~~ (Withdrawn) An apparatus according to claim <sup>22</sup>~~25~~, wherein the perfluoropolymer comprises PTFE.